

FORM PTO-1449		ATTY. DOCKET NO. AMD-004000	SERIAL NO. 09/385,394
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Yates, Jr. et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE August 30, 1999	GROUP 2183
(Use several sheets if necessary)			

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	Re 36,766	07/2000	Krauskopf			
	3,544,969	12/1970	Rakoczi et al.			
	3,781,823	12/1973	Senese			
*	4,077,058	02/1978	Appell et al.			
	4,084,235	04/1978	Hirtle et al.			
*	4,275,441	06/1981	Takeuchi			
	4,412,303	10/1983	Barnes et al.			
	4,455,602	06/1984	Baxter, III et al.			
	4,514,803	04/1985	Agnew et al.			
	4,575,797	03/1986	Gruner et al.			
	4,636,940	01/1987	Goodwin, Jr.			
	4,722,050	01/1988	Lee et al.			
	4,750,112	06/1988	Jones et al.			
	4,779,187	10/1988	Letwin			
	4,812,975	03/1989	Adachi et al.			
	4,831,515	05/1989	Kamada et al.			
	5,043,878	08/1991	Ooi			
	5,115,500	05/1992	Larsen			
*	5,121,472	06/1992	Danish et al.			
	5,127,092	06/1992	Gupta et al.			
	5,155,835	10/1992	Belsan			
	5,168,557	12/1992	Shibuya			
	5,241,638	08/1993	Mork et al.			
	5,241,664	08/1993	Ohba et al.			
*	5,276,825	01/1994	Blomgren et al.			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,301,287	04/1994	Herrell et al.			
		5,307,504	04/1994	Robinson et al.			
		5,335,331	08/1994	Murao et al.			
		5,339,422	08/1994	Brender et al.			
		5,355,487	10/1994	Keller et al.			
		5,361,340	11/1994	Kelly et al.			
		5,371,894	12/1994	DiBrino			
		5,377,309	12/1994	Sonobe et al.			
		5,386,563	01/1995	Thomas			
		5,404,473	04/1995	Papworth et al.			
		5,404,476	04/1995	Kadaira			
		5,432,795	07/1995	Robinson			
		5,454,117	09/1995	Puziol et al.			
		5,479,616	12/1995	Garibay, Jr. et al.			
		5,481,684	01/1996	Richter et al.			
		5,481,693	01/1996	Blomgren et al.			
		5,483,647	01/1996	Yu et al.			
		5,487,156	01/1996	Popescu et al.			
		5,491,827	02/1996	Holtey			
		5,507,028	04/1996	Liu			
		5,515,518	05/1996	Stiles et al.			
		5,542,059	07/1996	Blomgren			
		5,542,109	07/1996	Blomgren et al.			
		5,560,013	09/1996	Scalzi et al.			
		5,568,646	10/1996	Jaggar			
		5,574,927	11/1996	Scantlin			

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		5,574,929	11/1996	Pieterse et al.			
		5,590,309	12/1996	Chencinski et al.			
		5,598,546	01/1997	Blomgren			
*		5,608,886	03/1997	Blomgren et al.			
		5,613,114	03/1997	Anderson et al.			
		5,613,118	03/1997	Heisch et al.			
*		5,619,665	04/1997	Emma			
		5,619,666	04/1997	Coon et al.			
		5,625,835	04/1997	Ebciooglu et al.			
		5,628,016	05/1997	Kukol			
		5,636,366	06/1997	Robinson et al.			
		5,638,525	06/1997	Hammond et al.			
		5,652,869	07/1997	Herdeg et al.			
		5,657,474	08/1997	Taine et al.			
		5,659,679	08/1997	Alpert et al.			
		5,659,782	08/1997	Senter et al.			
		5,664,159	09/1997	Richter et al.			
		5,673,407	09/1997	Poland et al.			
*		5,675,332	10/1997	Limberg			
		5,678,032	10/1997	Woods et al.			
		5,685,009	11/1997	Blomgren et al.			
		5,715,421	02/1998	Akiyama et al.			
		5,721,855	02/1998	Hinton et al.			
		5,721,927	02/1998	Baraz et al.			
		5,729,728	03/1998	Colwell et al.			
		5,732,238	03/1998	Sarkozy			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,742,780	04/1998	Caulk, Jr.			
		5,751,982	05/1998	Morley			
		5,754,878	05/1998	Asghar et al.			
		5,764,947	06/1998	Murphy et al.			
		5,768,500	06/1998	Agrawal et al.			
		5,774,287	06/1998	Leonhardt et al.			
		5,774,686	06/1998	Hammond et al.			
		5,781,750	07/1998	Blomgren et al.			
		5,781,758	07/1998	Morley			
		5,781,792	07/1998	Asghar et al.			
		5,784,640	07/1998	Asghar et al.			
		5,790,824	08/1998	Asghar et al.			
*		5,790,844	08/1998	Webb et al.			
		5,794,068	08/1998	Asghar et al.			
		5,796,939	08/1998	Berc et al.			
		5,802,272	09/1998	Sites et al.			
		5,802,337	09/1998	Fielden			
		5,802,373	09/1998	Yates et al.			
		5,805,877	09/1998	Black et al.			
		5,812,864	09/1998	McCoy et al.			
		5,815,720	09/1998	Buzbee			
*		5,819,064	10/1998	Razdan et al.			
		5,822,578	10/1998	Frank et al.			
*		5,826,073	10/1998	Ben-Meir et al.			
		5,832,205	11/1998	Kelly et al.			
*		5,838,962	11/1998	Larson			

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	*	5,838,978	11/1998	Buzbee			
		5,842,017	11/1998	Hookway et al.			
		5,847,955	12/1998	Mitchell et al.			
		5,854,913	12/1998	Goetz et al.			
		5,864,697	01/1999	Shiell			
		5,870,763	02/1999	Lomet			
		5,884,057	03/1999	Blomgren et al.			
		5,901,308	05/1999	Cohn et al.			
		5,903,750	05/1999	Yeh et al.			
		5,903,751	05/1999	Hoyt et al.			
		5,903,760	05/1999	Farber et al.			
		5,905,855	05/1999	Klaiber et al.			
		5,911,073	06/1999	Mattson, Jr. et al.			
		5,918,251	06/1999	Yamada et al.			
		5,920,721	07/1999	Hunter et al.			
	*	5,926,484	07/1999	Takusagawa			
		5,930,509	07/1999	Yates et al.			
		5,935,220	08/1999	Lumpkin et al.			
		5,949,415	09/1999	Lin et al.			
		5,958,047	09/1999	Panwar et al.			
		5,958,061	09/1999	Kelly et al.			
		5,960,198	09/1999	Roediger et al.			
		5,966,537	10/1999	Ravichandran			
		5,968,162	10/1999	Yard			
		5,983,335	11/1999	Dwyer, III			
		5,999,736	12/1999	Gupta et al.			

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		6,000,028	12/1999	Chernoff et al.			
		6,002,872	12/1999	Alexander, III et al.			
		6,003,038	12/1999	Chen			
		6,005,551	12/1999	Osborne et al.			
		6,006,029	12/1999	Bianchi et al.			
		6,006,033	12/1999	Heisch			
		6,006,277	12/1999	Talati et al.			
		6,011,908	01/2000	Wing et al.			
		6,014,735	01/2000	Chennupaty et al.			
		6,021,265	02/2000	Nevill			
		6,021,484	02/2000	Park			
		6,021,489	02/2000	Poplingher			
		6,026,478	02/2000	Dowling			
		6,029,004	02/2000	Bortnikov et al.			
		6,029,222	02/2000	Kamiya			
		6,031,992	02/2000	Cmelik et al.			
		6,032,247	02/2000	Asghar et al.			
		6,035,120	03/2000	Ravichandran			
		6,035,393	03/2000	Glew et al.			
		6,044,220	03/2000	Breternitz, Jr.			
		6,044,221	03/2000	Gupta et al.			
		6,047,363	04/2000	Lewchuk			
		6,047,390	04/2000	Butt et al.			
		6,052,771	04/2000	Heller, Jr. et al.			
	*	6,061,711	05/2000	Song et al.			
	*	6,065,103	05/2000	Tran et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,070,009	05/2000	Dean et al.			
		6,071,317	06/2000	Nagel			
		6,076,144	06/2000	Peled et al.			
		6,081,665	06/2000	Nilsen et al.			
		6,081,890	06/2000	Datta			
*		6,088,793	07/2000	Liu et al.			
		6,091,897	07/2000	Yates et al.			
		6,092,188	07/2000	Corwin et al.			
		6,115,809	09/2000	Mattson, Jr. et al.			
		6,119,204	09/2000	Chang et al.			
		6,119,218	09/2000	Arora et al.			
*		6,128,641	10/2000	Fleck et al.			
		6,141,683	10/2000	Kraml et al.			
		6,154,857	11/2000	Mann			
		6,157,970	12/2000	Gafken et al.			
		6,157,993	12/2000	Lewchuk			
		6,163,764	12/2000	Dulong et al.			
		6,175,957	01/2001	Ju et al.			
		6,195,748	02/2001	Chrysos et al.			
*		6,199,095	03/2001	Robinson			
		6,202,205	03/2001	Saboff et al.			
		6,205,545	03/2001	Shah et al.			
		6,212,493	04/2001	Huggins et al.			
		6,219,774	04/2001	Hammond et al.			
		6,226,789	05/2001	Tye et al.			
		6,233,678	05/2001	Bala			

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		6,237,073	05/2001	Dean et al.			
		6,237,074	05/2001	Phillips et al.			
		6,240,526	05/2001	Petivan et al.			
		6,243,804	06/2001	Cheng			
*		6,249,862	06/2001	Chinnakonda et al.			
		6,253,215	06/2001	Agesen et al.			
		6,256,728	07/2001	Witt et al.			
		6,256,775	07/2001	Flynn			
		6,260,191	07/2001	Santhanam			
		6,289,445	09/2001	Ekner			
		6,295,644	09/2001	Hsu et al.			
		6,298,477	10/2001	Kessler			
		6,304,948	10/2001	Motoyama et al.			
		6,308,318	10/2001	Krishnaswamy			
		6,308,321	10/2001	Schooler			
		6,336,135	01/2002	Niblett et al.			
		6,351,646	02/2002	Jellema et al.			
		6,351,784	02/2002	Neal et al.			
		6,351,844	02/2002	Bala			
		6,353,924	03/2002	Ayers et al.			
		6,363,336	03/2002	Banning et al.			
		6,374,367	04/2002	Dean et al.			
		6,374,369	04/2002	O'Donnell			
		6,381,628	04/2002	Hunt			
		6,381,735	04/2002	Hunt			
		6,397,379	05/2002	Yates, Jr. et al.			

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		6,405,327	06/2002	Sipple et al.			
		6,415,379	07/2002	Keppel et al.			
*		6,418,460	07/2002	Bitar et al.			
		6,453,292	09/2002	Ramaswamy et al.			
		6,463,582	10/2002	Lethin et al.			
		6,470,442	10/2002	Arimilli et al.			
		6,470,492	10/2002	Bala et al.			
		6,473,846	10/2002	Meilchior et al.			
		6,477,683	11/2002	Killian et al.			
		6,480,862	11/2002	Gall			
		6,481,007	11/2002	Iyer et al.			
		6,496,922	12/2002	Borrell			
		6,496,923	12/2002	Gruner et al.			
		6,535,903	03/2003	Yates et al.			
		6,549,930	04/2003	Chrysos et al.			
		6,549,959	04/2003	Yates et al.			
		6,553,431	04/2003	Yamamoto et al.			
		6,557,094	04/2003	Pechanek et al.			
		6,560,693	05/2003	Puzak et al.			
*		6,564,339	05/2003	Swoboda et al.			
		6,571,331	05/2003	Henry et al.			
*		6,591,340	07/2003	Chopra et al.			
		6,591,414	07/2003	Hibi et al.			
		6,631,514	10/2003	Le			
		6,631,518	10/2003	Bortnikov et al.			
		6,678,820	01/2004	Kahle			

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		6,685,090	02/2004	Nishigaya et al.			
*		6,694,457	02/2004	McKee			
		6,708,173	03/2004	Behr et al.			
		6,721,941	04/2004	Morshed et al.			
		6,763,452	07/2004	Hohensee et al.			
		6,779,107	08/2004	Yates			
		6,789,181	09/2004	Yates et al.			
		6,789,263	09/2004	Shimada et al.			
*		6,820,051	11/2004	Swoboda			
*		6,820,190	11/2004	Knebel et al.			
		6,826,748	11/2004	Hohensee et al.			
*		6,934,832	08/2005	Van Dyke et al.			
*		6,941,545	09/2005	Reese et al.			
*		6,954,923	10/2005	Yates, Jr. et al.			
*		6,978,462	12/2005	Adler et al.			
*		7,013,456	03/2006	Van Dyke et al.			
*		7,047,394	05/2006	Van Dyke et al.			
*		7,065,633	06/2006	Yates, Jr. et al.			
*		7,069,421	06/2006	Yates, Jr. et al.			
*		7,111,290	09/2006	Yates, Jr. et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		EP 0 324 308	07/1989	EPO				
		WO 96/24895	08/1996	PCT				
		WO 97/50031	12/1997	PCT				

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							YES	NO
		WO 98/13740	04/1998	PCT				
		WO 98/28689	07/1998	PCT				
		WO 98/38575	09/1998	PCT				
		WO 98/59292	12/1998	PCT				
		WO 99/03037	01/1999	PCT				
		WO 99/08188	02/1999	PCT				
		WO 99/08191	02/1999	PCT				

## OTHER DOCUMENTS

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	Ammons, Ball and Larus: Exploiting Hardware Performance Counters with Flow and Context Sensitive Profiling, Proceedings of the ACM SIGPLAN 1997 Conference on Programming Language Design and Implementation, pp. 85-96 (1997)
	Burroughs, Preliminary Edition, B 1700 Systems Reference Manual, Burroughs Corporation (1972)
	Burroughs, B 1700 Systems Micro Implementation Language (MIL) Reference Manual, Burroughs Corporation (1973)
	Brad Calder, Peter Feller, Alan Eustace, Value Profiling, Proceedings of the 30 <sup>th</sup> International Symposium on Microarchitecture (Micro-30), IEEE, pages 259-269 (December 1-3, 1997)
	Anton Chernoff, et al., FX!32, A Profile-Directed Binary Translator, IEEE Micro, Vol. 18, No. 2, pp. 56-64 (March/April, 1998)
	Compaq Computer Corp., Compiler Writer's Guide for the Alpha 21264 (1999) <a href="http://ftp.digital.com/pub/Digital/info/semiconductor/literature/comwrgd.pdf">/ftp.digital.com/pub/Digital/info/semiconductor/literature/comwrgd.pdf</a>
	T.M. Conte, et al., "Accurate and practical profile-driven compilation using the profile buffer," Proceedings of the 29 <sup>th</sup> Annual International Symposium on Microarchitecture, Paris, France, pp. 36-45 (Dec. 1996)

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	T.M. Conte, et al., "Hardware based profiling: An effective technique for profile-driven optimization," International Journal of Parallel Programming, vol. 24, no. 2 (Feb. 1996)
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FORM PTO-1449		ATTY. DOCKET NO. AMD-004000	SERIAL NO. 09/385,394
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Yates, Jr. et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE August 30, 1999	GROUP 2183
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